

# **EXHIBIT B**

US004706275C1

(12) **REEXAMINATION CERTIFICATE** (4758th)**United States Patent**  
**Kamil**(10) **Number:** **US 4,706,275 C1**(45) **Certificate Issued:** **Apr. 8, 2003**(54) **TELEPHONE SYSTEM**(75) Inventor: **Zvi Kamil**, Ramat Gan (IL)(73) Assignee: **Aerotel Ltd.**, Ramat Gan (IL)**Reexamination Request:**No. 90/005,580, Dec. 2, 1999  
No. 90/005,725, May 15, 2000  
No. 90/005,951, Mar. 14, 2001**Reexamination Certificate for:**Patent No.: **4,706,275**  
Issued: **Nov. 10, 1987**  
Appl. No.: **06/797,658**  
Filed: **Nov. 13, 1985**(51) **Int. Cl.<sup>7</sup>** ..... **H04M 15/00**(52) **U.S. Cl.** ..... **379/114.2; 379/114.17;**  
379/114.01; 379/154; 379/155(58) **Field of Search** ..... 379/112, 114,  
379/115, 144, 91.01, 120, 114.01, 114.15,  
114.17, 114.2, 114.03, 121.01, 126; 455/405,  
406, 407, 408, 409

4,160,129 A	7/1979	Peyser et al. ....	179/18 E
4,162,377 A *	7/1979	Mearns .....	379/221
4,182,934 A	1/1980	Keys et al. ....	179/7 R
4,191,860 A	3/1980	Weber .....	179/18 B
4,192,972 A	3/1980	Bertoglio et al.	
4,204,113 A	5/1980	Giraud et al. ....	235/375
4,224,472 A	9/1980	Zarount .....	179/7.1 R
4,232,199 A	11/1980	Boatwright et al. ....	179/18 B
4,256,955 A	3/1981	Giraud et al. ....	235/380
RE30,821 E	12/1981	Goldman .....	340/825.54
4,326,123 A	4/1982	Hosterman .....	235/380
4,332,985 A	6/1982	Samuel .....	179/90
4,367,402 A	1/1983	Giraud et al. ....	235/380
4,410,765 A	* 10/1983	Hestad et al. ....	379/221
4,439,636 A *	* 3/1984	Newkirk et al. ....	379/221
4,449,040 A	5/1984	Matsuoka et al.	
4,467,424 A	8/1984	Hedges et al. ....	364/412
4,468,529 A	8/1984	Samuel et al. ....	179/18 BA
4,501,958 A	2/1985	Glize et al. ....	235/382
4,506,116 A	3/1985	Genest .....	179/90 BD
4,513,175 A	4/1985	Smith .....	179/18 BA
4,517,412 A	5/1985	Newkirk et al. ....	179/7.1 R
4,518,824 A	5/1985	Mondardini .....	179/6.3 CC
4,559,415 A	12/1985	Bernard et al. ....	179/2 DP

(List continued on next page.)

**FOREIGN PATENT DOCUMENTS**

(56)

**References Cited****U.S. PATENT DOCUMENTS**

3,022,381 A	2/1962	Pferd et al. ....	179/6.4
3,087,018 A	4/1963	Pferd .....	179/6.4
3,189,687 A	6/1965	Miller .....	179/18
3,428,948 A	2/1969	Simjian .....	340/147
3,564,210 A	2/1971	Presti .....	235/61.7
3,571,799 A	3/1971	Coker, Jr. et al. ....	340/152
3,652,795 A	3/1972	Wolf et al. ....	179/2 DP
3,676,597 A	7/1972	Peterson .....	179/6.3 R
3,769,463 A	10/1973	Graham et al. ....	179/7.1 TP
3,870,866 A	3/1975	Halpern .....	235/61.7 R
3,896,266 A	7/1975	Waterbury .....	179/1 SB
3,929,278 A	12/1975	Balavoine et al. ....	235/61.8 R
3,938,091 A	2/1976	Atalla et al. ....	340/149 A
3,985,998 A	10/1976	Crafton .....	235/61.7 B
4,028,494 A	6/1977	Zarouni .....	
4,122,308 A	10/1978	Weinberger et al.	
4,139,739 A	2/1979	von Meister et al.	
4,146,746 A	3/1979	de Crepy et al. ....	179/7.1 TP

CA	1 143 494	3/1983
CA	1162336	2/1984
DE	23 51 949	4/1975

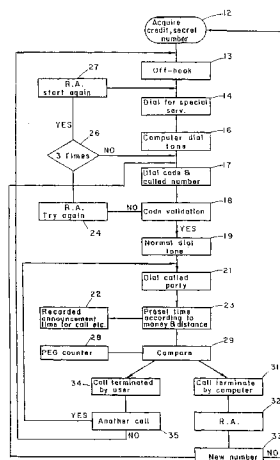
(List continued on next page.)

**OTHER PUBLICATIONS**"European Prepayment Telephone Card Systems", Charles Hopper, *Communications International*, Jan. 1984, pp. 76-80.

(List continued on next page.)

**Primary Examiner**—Rexford Barnie(57) **ABSTRACT**

A telephone system enabling prepayment for telephone calls, wherein special code and credit information is stored in memory in special exchanges and debited as the call progresses.



## US 4,706,275 C1

Page 2

## U.S. PATENT DOCUMENTS

4,577,061	A	3/1986	Katzeff et al. ....	179/2 AM	JP	53-39808	4/1978
4,580,011	A	4/1986	Glaser		JP	53-039808	4/1978
4,595,983	A	6/1986	Gehalo et al. ....	364/401	JP	53-115109	10/1978
4,611,096	A	9/1986	Asmuth et al. ....	179/18 B	JP	53-132919	11/1978
4,616,852	A	10/1986	Cash .....	282/27 R	JP	54-95592	5/1979
4,669,730	A	6/1987	Small .....	273/138 A	JP	54-89509	7/1979
4,673,802	A	6/1987	Ohmae et al. ....	235/379	JP	55-107375	8/1980
4,680,785	A	7/1987	Akiyama et al. ....	379/57	JP	55-166370	12/1980
4,685,127	A	8/1987	Miller et al. ....	379/221	JP	56-4969	1/1981
4,698,752	A	10/1987	Goldstein et al. ....	364/200	JP	56-20371	2/1981
4,707,592	A	11/1987	Ware .....	235/379	JP	56-101016	6/1981
4,759,056	A	7/1988	Akiyama .....	379/197	JP	56-98966	8/1981
4,768,222	A	8/1988	Kalfon .....	379/91	JP	57-24157	2/1982
4,768,223	A	8/1988	Kinoshita et al. ....	379/143	JP	57-73471	5/1982
4,782,519	A	11/1988	Patel et al. ....	379/221	JP	57-125567	8/1982
4,791,640	A	12/1988	Sand .....	370/58	JP	57-125569	8/1982
4,792,968	A	12/1988	Katz .....	379/92	JP	57-125570	8/1982
4,792,973	A	12/1988	Gilhousen et al. ....	380/24	JP	57-127903	8/1982
4,870,679	A	9/1989	Hanna et al. ....	379/114	JP	58-3367	1/1983
4,879,744	A	11/1989	Tasaki et al. ....	379/144	JP	58-003367	1/1983
4,897,870	A *	1/1990	Golden .....	379/221	JP	58-165473	9/1983
4,926,996	A	5/1990	Eglise et al. ....	194/212	JP	58-221559	12/1983
5,003,585	A	3/1991	Richer .....	379/144	JP	59-16068	1/1984
5,068,891	A	11/1991	Marshall .....	379/91	JP	59-108446	6/1984
5,153,906	A	10/1992	Akiyama .....	379/112	JP	59-190771	10/1984
5,251,252	A	10/1993	Katz .....	379/92	JP	59-208973	11/1984
5,359,645	A	10/1994	Katz .....	379/93	JP	60-10868	1/1985
5,790,636	A	8/1998	Marshall .....	379/67	JP	60-14563	1/1985
5,898,762	A	4/1999	Katz .....	379/93.12	JP	60-35868	2/1985
					JP	60-220655	11/1985
					JP	61-6163	of 1986
					JP	61-210754	9/1986
					JP	2763082 (5-284257)	10/1993

## FOREIGN PATENT DOCUMENTS

DE	25 03 423	7/1975
DE	29 03 450	8/1980
DE	29 03 479	8/1980
DE	34 06 615	8/1984
EP	0 009 684	4/1980
EP	0015120	9/1980
EP	0041261	12/1981
EP	0 048 868	4/1982
EP	0 060 643	9/1982
EP	0 066 823	12/1982
EP	0 088 639	9/1983
FR	1544542 *	4/1979
FR	2 522 850	9/1983
FR	2 542 115	9/1984
FR	2 575 016	6/1986
GB	1124945	8/1968
GB	1 124 945	8/1968
GB	1352 600	5/1974
GB	1400 654	7/1975
GB	1 442 883	7/1976
GB	1 505 718	3/1978
GB	1 520 529	8/1978
GB	1 544 542	4/1979
GB	1544542	4/1979
GB	2 046 556	11/1980
GB	2046556 A *	11/1980
GB	2 057 740	4/1981
GB	2 065 353	6/1981
GB	21413	6/1983
GB	2 118 341	10/1983
GB	2 120 507	11/1983
GB	2141309	12/1984
GB	2 141 309	12/1984
GB	2141309 A *	12/1984
JP	48-90110	11/1973
JP	52-16941	2/1977
JP	52-17740	2/1977
JP	52-21738	2/1977

WO	WO/81/01664	6/1981
WO	WO 84/01073	3/1984
WO	WO 87/02208	4/1987

## OTHER PUBLICATIONS

"US Banks Prodded on Smart Card", *American Banker*, Feb. 7, 1983, pp. 3 and 10.

"Charge-A-Call Spreading Rapidly", Betty Estes, *Telephone Engineer and Management*, Jan. 1, 1979, p. 89.

"Payphones in the Nineteen-Eighties", J.R. Lewin, *British Telecommunications Engineering*, vol. 1 1982.

Arden, Bruce W., ed., *What Can be Automated?: The Computer Science and Engineering Research Study (COS-ERS)*, MIT Press, 1980, pp. 762-764).

Meadow, Charles T., *Applied Data Management*, 1976, p. 147.

Freeman, Peter., *Software System Principles*, 1975, p. 137.

"Approximating the Performance of Two Phase Locking Using an Iteration Solution Model", Chen, D. et al., *The University of Michigan Computing Research Laboratory Technical Report CRL-TR-25-84*, Apr. 1984, pp. 1-3.

"Locking Primitives in a Database System", Korth, Henry F., *J. ACM* 30, 1 (Jan. 1983), pp. 55-79).

"Operand Consistency Attendant: An Associative Solution to the Data Field Consistency Problem", *IBM Technical Disclosure Bulletin*, vol. 19 No. 1, Jun. 1976, pp. 222-224.

"A Switch in the Resale Direction", *Telephone Engineer and Management*, Mar. 15, 1983, pp. 64-66.

"Resale—An Overview", Bob Stoffels, *Telephone Engineer and Management*, May 1, 1982, pp. 67-69.

"Reseller Analyzes Equipment Options", Frank D. Reese, *Telephone Engineer Management*, Jun. 1, 1983.

"National Pay Telephone Answers The Calls For Credit-Card Phones", *Business Week*, Dec. 17, 1984, pp. 112.

## US 4,706,275 C1

Page 3

- "Impacts of Calling Card Service (CSS) Implementation", John Bagley, *GTE Automatic Electric Journal*, May-Jun. 1982, pp. 99-108.
- "French 'Smart Cards' Explained to American", Leo Anderson, *Telephony*, Apr. 19, 1982, pp. 9-10.
- "Don't Tell It—Dial It", Allison Mearns et al., *Bell Laboratories Record*, May/Jun. 1982, pp. 117-119.
- "Notes on the BOC INTRA-LATA NETWORKS", 1983, p. 14.
- "AT&T Card Caller Public Telephone 'A Significant Technical Advance,'" *AT&T Consumer Products Challenge*, No. 11, Dec. 19, 1983.
- Corman, B., "Resale—A Case History," *Telephone Engineer & Management*, May 15, 1982.
- Gibson, G.T., "A Fleeting Market for AT&T's Resellers," *Venture*, Oct. 1982, pp. 62, 64-65.
- Gunn, H., "Efficiency and Savings Boosted by BVA and BNS Techniques," *Telephony*, Feb. 21, 1983, pp. 114, 116.
- Hopper, C., "European Prepayment Telephone Card Systems," *Communications International*, vol. 11, No. 1, Jan. 1984, pp. 76-80.
- Reese, F.D., "Reseller Analyzes Equipment Options," *Telephone Engineer & Management*, Jun. 1, 1983.
- Stoffels, B., ed., "Resale—An Overview," *Telephone Engineer & Management*, May 1, 1982, pp. 67-69.
- "A Switch in the Resale Direction," *Telephone Engineer & Management*, Mar. 15, 1983, pp. 64-66.
- Toth, V.J., et al., "Does Resale Have an Identity Crisis?" *Telephone Engineer & Management*, Mar. 15, 1983, pp. 147-148, 150.
- Turbat, A., "Telepayment and Electronic Money—The Smart Card."
- Weinstein, S.B., "Smart Credit Cards: The Answer to Cashless Shopping," *IEEE Spectrum*, Feb. 1984, pp. 43-49.
- White, J.A., "Western Union Buys 50% AirFone Stake, Airlines Sign for In-Flight Phone Service," *The Wall Street Journal*, Dec. 17, 1981, p. 52.
- Wiblé, P.A., "Le Téléphone à Carte: Un Nouveau Service," *La Revue Polytechnique*, No. 1402, pp. 1171-1175.
- Yoshizawa, K., et al., "Voice Response System for Telephone Betting," *Hitachi Review*, vol. 26, No. 6 (1977), pp. 215-220.
- "Telephone Management System User Manual," Version 1.0, Oct. 23, 1981.
- National Applied Computer Technologies, "ATS III/65 Automated Long Distance Telephone Service User's Guide," Version 1.5, Jul. 1983.
- National Applied Computer Technologies, "ATS III/65 Automated Long Distance Telephone Service User's Guide," Version 2.0, Oct. 1983.
- Adolphs, V.D., "Münzfernsprecher NT 2000 mit Mikrorechner\*", *Feinwerktechnik—Messstechnik*, 1988.
- Aisenberg, A. & Sorani, S., "A Distributed Control System for Public Telephones in Israel", p. 171.
- Aldrich, N., "Choosing A Telecommunications Consultant", *Hospital Topics*, Mar./Apr. 1981, pp. 7-8.
- "An active device for charge analysis and monitoring", *Telecommunications Journal*, Mar. 1983, p. 152.
- Antelman, Leonard, "Hart Industries Files Bankruptcy", *Electronic News*, Dec. 7, 1981.
- Armstrong, S., "The 'smart card': revolution in the way you pay bills?", Sep. 13, 1983.
- Arnold, P.A. "Card Operated Payphones Can Simplify Service and Security" *Telephony*, Sep. 1982, pp. 56-57.
- "Autelca", *Telecommunications Journal*, Sep. 1985.
- Baggott, A.J., "Token Meters", *Telecommunications Journal*, Apr., 1977, pp. 35-37.
- Berenyl, I., "Telefax, Smart Phones Debut in Hungary, but Service Remains Limited", *Telephony*, Sep. 23, 1985, pp. 85-86.
- Bertman, L.A., "Communications Are Integrally Related To Cost Containment, Employee Retention, and Increased Revenue", *Hospital Topics*, Jul./Aug. 1984.
- Block, V., "FCC Rules Pay Phones Subject to Regulation", *In The Nation's Capital*, Jun. 3, 1985, pp. 17-19.
- Borison, V. S. "TRANSACTION—Telephone Gets the Facts at the Point of Sale", *Bell Laboratories Record*, Oct., 1975, pp. 377-383.
- Bowin, W.F., "Understanding the Paystation—types, control, terminology, improvements (all in simple English)", *Telephone Engineer & Management*, Jun. 15, 1972, pp. 54-60.
- "Broward man charged in phone fraud" Nov. 24, 1981.
- Caesperlein, Hermann, "Münzfunkenfernsprecher bei der Deutschen Bundesbahn", 1980, pp. 551-554.
- Cane, A., "The 'electronic chequebook' makes its debut", *Financial Times*, Aug. 9, 1983.
- "Call up the future with Phonocard. Pre-paid card public telephone box", *Telecommunications Journal*, Aug. 1979.
- Cariou, J. & Lardy, D. "The Freephone Service: A New Application for the E12 System", *Commutation and Transmission*, 1982, vol. 5, pp. 63-73.
- "Coin-Operated Phones—Back To The Future", *TE&M*, Mar. 15, 1987, pp. 57-59, 61.
- Communication & Electronics*, Nov. 1970-Oct. 1971.
- Communication & Electronics*, vol. 6, No. 1, Nov. 1971.
- Communication & Electronics*, vol. 7, No. 1, Nov. 1972.
- Communication & Electronics*, vol. 8, No. 1, Nov. 1973.
- Communication & Electronics*, Nov. 1973-Oct. 1974.
- Communication & Electronics*, vol. 9, No. 11, Sep. 1975.
- Communication & Electronics*, May 1980-Apr. 1981.
- Communication & Electronics*, May 1981-Apr. 1983.
- Crabbe, E., et al., "DMTM: A Data Management and Transmission Module", *CTE Automatic Electric Journal*, 1983, pp. 51-56.
- Curran, L., "Revisiting the Luddites", *BYTE Publications, Inc.*, vol. 9, No. 1, Jan., 1984, p. 4.
- "Data Sheet", *Data Communications*, Oct. 20, 1982.
- Demeautis, M. & Hummel, F. "The TV 200 A Transactional Telephone".
- Dickerson, B., "Bell Cuts WATS Service to Hart" (1981).
- Dickerson, B., "Canadian Firm Could Get Hart Industries' Remaining Assets" 1982.
- Dickerson, B., "FCC Delay Snarls Long-Distance Phone Plan" 1980.
- Dickerson, B., "State Orders Hart To Offer Full Refunds".
- Dickerson, B., "Hart Delays Long Distance Service Again".
- Dickerson, B., "Credibility the First Hurdle for Discount Phone Call Firm" *Communications*, Mar. 9, 1981.
- Dickerson, B., "Hart Gets Approval for Long-distance Calls", *The Miami Herald*, Apr. 29, 1981, p. 6D.
- Dickerson, B., "Hart Industries' Lines Still Clogged" Jul. 15, 1981.
- Dorros, I., "Reaching Into the Future with Stored Program Control", *Bell Laboratories Record*, Dec. 1980, pp. 387-393.
- "Eighty Years of Public Telephones" NTT Business, vol. 32., No. 1, 1981, pp. 8-11.

## US 4,706,275 C1

Page 4

- Elektrisches Nachrichtenwesen*, Band 58, Nummer 1, 1983.
- "Electronisches Geld" *Kommunikationstechnik*, Mar. 1985, pp. 39-41.
- Eriksson, G., "Voice and Data Workstations and Services in the ISDN", *Ericsson Review*, 1984, pp. 14-19.
- "Fernsprechapparate" *Elektrisches Nasnachterwesen*, 1983, pp. 54-55 and 58-59.
- "FCC Approves World's First Smart Card Telephone", *Jul. 15, 1985*.
- Finneran, M.F., "Data Comm Focus", *Business Communications Review*, Nov./Dec. 1985, pp. 35-40.
- "Fire Destroys Hart Industries", 1981.
- "For every telephone *Monoprint* records the price, the hour, the date, the length, the number. And that's not all . . .", *Telecommunications Journal*, Dec., 1979.
- "France: Poised to Deliver the Backbone for the information age", *Data Communications*, Jun. 1983.
- "French EFT Program Enters its Final Phase", *Data Communications*, Jun. 1983.
- Fritz, M.S. & Talley, J., "Bloomington Hospital's Experience With Lifeline", *Hospital Topic*, Sep./Oct. 1982, pp. 14-18.
- "The French Smart Card Finally Arrives in the U.S.", *Data Communications*, Nov. 1984, pp. 263-265.
- Grizzle, J.W., & Marcus, S.I., "A Decentralized Control Strategy For Multiaccess Broadcast Networks", 1982, pp. 75-88.
- Grunig, R., "Halser Mailmaster F 204 Franking Machine", *Hasler Review*, vol. 11, No. 1, 1978.
- Haggerty, M., "Firms Sell Varying Ways To Save", Aug. 8, 1981.
- Haggerty, M., "Talk is Cheaper Long-distance callers have alternatives to Bell" *Money*, Aug. 8, 1981.
- Harrop, P., "New Electronics for Payment", 1982, pp. 339-342.
- "Hart Industries settles", *Jul. 28, 1981*.
- "The History of the Payphone", <http://www.kitecom.co.uk/phone/history1.html>.
- Harvey, D., "This BOSS Works for Residence Customers", *Bell Laboratories Record*, Mar. 1980, pp. 81-86.
- Higashiyama, F. & Murata, M., "Credit Call Service", *Engineering Bureau NTT*, pp. 308-309.
- Hughes, L.A., "New Phone Service Faces First-Day Problems", *The Miami Herald*, *Jul. 8, 1981*.
- Hughes, L.A., "Hart Users Still Hear Busy Signals", *The Miami Herald*.
- "IC Cards Are On The Way", *TE&M*, May 15, 1987, pp. 71, 74-75.
- IEEE*, Apr. 22-Apr. 24, 1975.
- IEEE*, Oct. 10-13, 1977.
- IEEE*, Oct. 23-25, 1979.
- IEEE*, May 24-28, 1981.
- JP. Ref No. 12.
- Kamil, Z., "Procédé pour effectuer des appels téléphoniques et système téléphonique", Nov. 10, 1985.
- KDD Technical Journal, Oct. 1978, No. 98.
- Komatsu, Hiroyuki, "Station Message Detailed Accounting System KX-400", *Iwatsu Gino*, vol. 21., No. 1. 1982.
- An, C. et al. "Helping the Stored Program Controlled Network Respond Quickly", *Bell Laboratories Record*, May/Jun. 1982, pp. 120-122.
- Kutler, J., "Experts Discussing Future of Smart Card Wonder When Their Chip Will Come In", *Back Page*.
- Lannon, J.F., "How To Save Money and Increase Our Telecommunications Capabilities", *Hospital Topics*, Sep./Oct. 1982, pp. 30-34.
- Lawser, J.J., & Sheinbein, D., "Realizing the Potential of the Stored Program Controlled Network", *Bell Laboratories Record*, Mar. 1979, pp. 85-89.
- Ledger, V.W., "US Vanguard Visits France To Look at the Smart Card", *American Banker*, Aug. 11, 1982.
- Lessin, "Smart Card Technology and How It Can Be Used", *American Banker*, May 20, 1982.
- Lipman, A.D., "Computer II and Coinless Pay Phones", *Telephony*, Sep. 16, 1985, pp. 53-57.
- Lissandrello, G.J., "Future's Bright For Smart Cards" *Telephone Engineer & Management*, Nov. 1, 1985.
- "Long-distance refunds sought".
- Lucking, K.F.C. "Card Operated Pre-Payment Metering".
- "MAKATEL, das Authorisierungstelefon im Geschäftsverkehr mit Kreditkarten".
- Matsui, H. et al., "A Multi-Functional Telephone with Memory Cards Which Expand Talking Services" *Consumer Electronics*, vol. 34 No. 3, Aug. 1988, pp. 749-758.
- Meier, A.R., "Major Real Estate Developers Building Huge New Telephone Resale and Tenant Services Industry", *Business Communications Reveiw*, pp. 21-22.
- Merzer, M., "Cut-rate Long Distance Calls Replace AT&T's Monopoly", *Communications*, p. 6.
- "Microcomputers for the Telephone", *Telecommunications Journal*, Mar. 1983. pp. 151-152.
- Mier, E. E., "Inside the Smart Card", *Data Commuications*, Jun. 1982.
- Mills, M., "Memory Cards: a New Concept in Personal Computing", *BYTE Publications Inc.*, Jan. 1984, pp. 154, 156, 159-160, 162, 164, 166, 168.
- Moshavi, S., "Please Deposit No Cents", *Forbes*, Aug. 16, 1993, p. 102.
- Moskoff, George R., "Options for Call Accounting", *Business Communications Review*, Mar.-Apr. 1985.
- "Multimil Introduces Credit Cardsized Computer and Related Communications Products to Industry Leaders During Dallas Launch" May 1, 1985.
- Nather, V.P., "Prüfung von Digitalen Bausteinen und Leiterplatten Schwerpunkt: LSI", *Feinwerktechnik-Messtechnik*, 1980.
- "National Pay Telephone Answers The Call For Credit-Card Phones", *Business Week*, Dec. 17, 1984, p. 112.
- "Newsfront", *Data Communications*, Jan. 1984.
- "Phonocard. A Solid Investment", *Telecommunications Journal*, Aug. 1985.
- "Phonotaxe BTE60. Sodeco simplifies the coin telephone", *Telecommunications Journal*, Sep. 1985.
- "PR Newswire", *Jul. 15, 1985*.
- "Public Telephone" pp. 17-22.
- "Public Telephony/Exchange Systems", <http://www.urmet.it/ertt2.htm>, 1996.
- "Remote Management by Sodeco. A New Form of Intelligence.", *Telecommunications Journal*, Oct. 1985, p. a34.
- Salant, J.D., "Firm Gives Alternative to Ma Bell".
- Sinopoli, J., "Adapting RFP's for Shared Tenant Services", *Business Communications Review*, May-Jun. 1985, pp. 7-10.
- "Simple call meters or electronic control units, our systems meet everyone's requirements: from private subscribers to telecommunications administrations", *Telecommunications Journal*, Nov. 1979.

## US 4,706,275 C1

Page 5

- Sheets, L.L., "Signaling Systems" pp. 165-174.
- Smart, T., "Hart Accused of Giving 'Pathetic' Telephone Service", Oct. 10, 1981.
- "A Smart Card Combine on the Verge of a Standard", *Data Communications*, Apr. 1984.
- "Smart Cards Ready for Major Push in France", *Data Communications*, Sep. 1985.
- "State-of-the-art technologies for the metering and handling of telephone charges", *Telecommunications Journal*, Jun. 1983, pp. a33.
- Svigals, J., "Low Cost Point-of-Sale Terminal" *IBM Technical Disclosure Bulletin*, vol. 25 No. 4, Sep. 1982, pp. 1835.
- Telephone Engineer & Management*, Oct. 1, 1984.
- "Telephone Products Win Federal Approval", *American Banker*, Aug. 7, 1985.
- "Toward a More Automated Network TSPS Enhancements Lead the Way", Feb. 8, 1982.
- "US Sprint Greet Second Year With Operator Service, Foncard", *Telephony*, Jul. 6, 1987.
- Young, E., "Competition Rings A Bell", May 26, 1981.
- Wainwright, R., "Subscriber Electronics", pp. 56-57.
- "We are the specialists for telephone call charge meters", *Telecommunications Journal*, Apr. 1977, p. a33.
- Weinstein, S. B., "Emerging Telecommunications Needs of the Card Industry", *IEEE Communications Magazine*, vol. 22 No. 7, Jul., 1984, pp. 26-31.
- Wible, V.P., "Bargeldloses Telefonieren mit Phonocard", *Janrgang*, 1990.
- Williamson, J., "British Telecom Invests in New Payphones", *Telephony*, Feb. 25, 1985, pp. 25-26.
- Winspur, W. "A Design for File Management in a Computer Network" Computer Department for Health Sciences, Faculty of Medicine, University of Manitoba, 1975, pp. 126-128.
- Wyatt, S. et al., "Telephone Decrementing Cards", *Focus Telephony*, Jul., 1981, pp. 38-39.
- Zahlungsverkehr, E., "Kreditkarten Merken sich den Betrag", *Elektronik/Nachrichtentechnik*.
- Arden, Bruce "What can be automated?" The Computer science and Engineering research Study.\*
- Bagley, "Impacts of calling Card Service (CCS) Implementation" May/Jun. 1982.\*
- Hopper "European prepayment telephone card systems" Jan. 1984.\*
- Landis et al. "Apparatus for cashless telephoning" Jun. 24, 1981.\*
- Mearns et al. "Don't tell it—dial it" May/Jun. 1982.\*
- Notes on the BOC INTRA LATA networks.\*

\* cited by examiner

US 4,706,275 C1

**1**

**REEXAMINATION CERTIFICATE  
ISSUED UNDER 35 U.S.C. 307**

NO AMENDMENTS HAVE BEEN MADE TO  
THE PATENT

**2**

AS A RESULT OF REEXAMINATION, IT HAS BEEN  
DETERMINED THAT:

The patentability of claims **1–23** is confirmed.

\* \* \* \* \*